Test Number: AS3276_SNPP_VIIRS_LST_with GEOS5_Checkout

Test Date: 07/16/19

Last Revised: 8/12/19

Last Rev changes: 8/7/19: Corrected version of VJ1_L4m7 – should have been 2.0.0, not 1.0.0. 8/12/19: corrected version of L2 recipes to be used to use the variations where the old M13 was in place in the VJ102MOD and VNP02MOD products.

Discipline: Land

Test Title: LST with GEOS5 and NASA L1 inputs checkout

Test Objective: To generate LST (L2 through 8-day Gridded) using NASA L1 inputs and GEOS5 for both SNPP and JPSS1, to support review of data from these inputs.

Test Time Interval(s):
    2018025 through 2018033
    2018230 through 2018239

Machine/Archive Sets: ops4, AS3276

Related Test(s):
ops4, 3260 for NASA L1 inputs
ops4, 3261 for AS5000 inputs

Baseline DataSet:

Input DataSet:
Sync/Clone the data listed below to test AS3276 on ops4:

    VNP03MOD – from AS5110
    VNP03IMG – from AS5110
    VNP02MOD – from AS5110
    VNP02IMG – from AS5110
    VJ103MOD – from AS3194
    VJ103IMG – from AS3194
    VJ102MOD – from AS3194
    VJ102IMG – from AS3194

    From AS1:
    GEOS5
    NCEP_GFS03_ANC*
    NCEP_GFS06_ANC*
    NCEP_GFS09_ANC*
    NCEP_GFS12_ANC*
    NCEP_GFS15_ANC*

NCEP_GFS18_ANC*
NCEP_GFS21_ANC*
NCEP_GFS24_ANC*
NCEP_GFS03_VGD*
NCEP_GFS06_VGD*
NCEP_GFS09_VGD*
NCEP_GFS12_VGD*
NCEP_GFS15_VGD*
NCEP_GFS18_VGD*
NCEP_GFS21_VGD*
NCEP_GFS24_VGD*
NISE *

From AS5000:
MYD13A2 (same set as used on ops4 AS5000 for 2018 processing)
NPP_QMMVIIPS_L3 (start time is 1/1/15)
NPP_QSTIPS_L3 (start time is 1/1/15)
NPP_QSTLWMIPS_L3 (start time is 1/1/15)

*NCEP and NISE datasets are needed for each test period plus a day on either side.
NOTE: entry will be needed in the NppSeedFileUsage table for AS3276 to pick up the
NPP_QMMVIIPS_L3, NPP_QSTIPS_L3 and NPP_QSTLWMIPS_L3 correctly. Carol to do
these entries.

Recipes/PGEs to be executed:

Recipe	Start/End Profile	Version	PGE	PGE Version	PGE Name
VNP_S1m7***	1/1	1.0.1	596	1.0.2	Snow Ice Seed Generator
VNP_S2m7***	1/1	1.0.1	597	1.0.2	VI Seed Initiator
VNP_S3m7***	1/1	1.0.1	598	1.0.2	VI Seed Generator
VNP_AWm7	1/1	1.0.3	506	1.0.3	Area Weight
VNP_GGNm7	1/1	1.0.4	550	1.0.4	NCEP granulation
VNP_GGMm7	1/5	1.0.5	553	1.0.3	Grid-to-Gran
VNP_L2m7	1/1	1.0.10	503	1.0.9	Cloud Mask
			505	1.0.9	L2 IST
			507	1.0.12	L2 Snow Cover
VNP_L4m7	1/1	2.0.0	616	2.0.0	L2 LST
VNP_L5Em7	1/ 2	1.0.3	512	1.0.14	L2G
			630	1.0.4	L2G LST
			631	1.0.8	L3 Daily LST
VNP_L10Em7	1/1	1.0.7	636	1.0.6	L3 8-Day LST
VJ1_S1m7***	1/1	1.0.1	596	1.0.2	Snow Ice Seed Generator

VJ1_S2m7***	1/1	1.0.1	597	1.0.2	VI Seed Initiator
VJ1_S3m7***	1/1	1.0.1	598	1.0.2	VI Seed Generator
VJ1_AWm7	1/1	1.0.3	506	1.0.3	Area Weight
VJ1_GGNm7	1/1	1.0.4	550	1.0.4	NCEP Granulation
VJ1_GGMm7	1/5	1.0.5	553	1.0.3	Grid-to-Gran
VJ1_L2m7	1/1	1.0.10	503	1.0.9	CloudMask
			505	1.0.9	L2 IST
			507	1.0.12	L2 Snow Cover
VJ1_L4m7	1/1	2.0.0	616	2.0.0	L2 LST
VJ1_L5Em7	1 / 2	1.0.3	512	1.0.14	L2G
			630	1.0.4	L2G LST
			631	1.0.8	L3 Daily LST
VJ1_L10Em7	1/1	1.0.7	636	1.0.6	L3 8-Day LST

Processing NOTES:
The S1m7, S2m7, and S3m7 Recipes will need to be run for the seed files to be present. The S1m7 will need to be processed for the test periods defined, plus the day before.
S2m7 will need to be run for the first day of thedata year.
S3m7 will need to be run for:

      Start 2018-121, End 2018-137
      Start 2018-137, End 2018-153
      Start 2018-201, End 2018-217
      Start 2018-217, End 2018-233

NPP Test Group Notes

Changes to Test Plan:

Final Plan Approved by:
Date:

Test Started:
Test Completed:
Verified in LAADS

Production Notes:

***Additional Processing Notes:

Products to be synched to LAADS:
VNP21
VNP21C

B_VNP21
VBN21

VJ121
VJ121C
B_VJ121
VB121

VNP21GN
VNP21A1N
VNP21A1D
VNP21GNC
B_VNP21A1D
VNP21A1NC
B_VNP21A1N
VBN21A1N
VNP21GD
VBN21A1D
VNP21A1DC
VNP21GDC

VJ121GN
VJ121A1N
VJ121A1D
VJ121GNC
B_VJ121A1D
VJ121A1NC
B_VJ121A1N
VB121A1N
VJ121GD
VB121A1D
VJ121A1DC
VJ121GDC

VNP21A2
VBN21A2D
VBN21A2N
VNP21A2C
B_VNP21A2

VJ121A2
VB121A2D
VB121A2N
VJ121A2C
B_VJ121A2

Test Results:

<u>Data Set Removal Information</u>
Date:
Approved by: